

Purchase Order Receipt Listing

Friday, March 18, 2016 1:04:08 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO31720 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO31720	1		M6061T6R1.625 f	f	3/18/2016	3/18/2016	12.0000	\$5.17	0.0000	0	\$62.08
CAD	No		6061T6 ROUND BAR 1.625 m134514	f	12.0000	QUIR01		\$62.08	0.0000	0	
	2		M6061T6B2.000X01. f 250	f	3/18/2016	3/18/2016	12.0000	\$5.84	0.0000	0	\$70.06
	No		6061-T6 Bar 2.00 x 1.25 m134514	f	12.0000	QUIR01		\$70.06	0.0000	0	
	3		M6061T6B1.000X02. f 500	f	3/18/2016	3/18/2016	12.0000	\$5.93	0.0000	0	\$71.13
	No		6061-T6 Bar 1.00 x 2.50 m134514	f	12.0000	QUIR01		\$71.13	0.0000	0	
	4		M6061T6B1.000X02. f 000	f	3/18/2016	3/18/2016	24.0000	\$4.36	0.0000	0	\$104.64
	No		6061-T6 Bar 1.00 x 2.00 m134514	f	24.0000	QUIR01		\$104.64	0.0000	0	
	5		M6061T6B0.500X05. f 000	f	3/18/2016	3/18/2016	12.0000	\$6.10	0.0000	0	\$73.16
	No		6061-T6 Bar .500 x 5.00 m134514	f	12.0000	QUIR01		\$73.16	0.0000	0	
	6		M6061T6B0.375X01. f 000	f	3/18/2016	3/18/2016	24.0000	\$2.77	0.0000	0	\$66.51
	No		6061T6 BAR .375 x 1.00 m134514	f	12.0000	QUIR01		\$66.51	0.0000	0	
	7		M304RO.750 f	f	3/18/2016	3/18/2016	12.0000	\$2.88	0.0000	0	\$34.59
	No		304 SS Roundbar .750 f m134514	f	12.0000	QUIR01		\$34.59	0.0000	0	

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name											
PO31720	8	VC-COP001	Thyssenkrupp Materials CA Ltd		3/18/2016	3/18/2016	1.0000	\$0.00	0.0000	0	\$0.00
CAD	No		71401-45 PROCUREMENT QUALITY CLAUSES m134514		1.0000	QUIR01		\$0.00	0.0000	0	
<div> <div>Total Received Quantity:</div> <div>109.0000</div> </div> <div> <div>Total Qty to Inspect (PO U/M):</div> <div>0.0000</div> </div> <div> <div>Total Reject Quantity:</div> <div>0.0000</div> </div> <div> <div>Total Receipt Value:</div> <div>\$482.16</div> </div> <div> <div>Total Balance Due Quantity:</div> <div>0.0000</div> </div>											

JC 0 ARR

149

B I L L O F L A D I N G

No: PEC 982554

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 18Mar16 at 11:28 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-908236- 1 Your PO # 31720
ALUMINUM ROUND BAR 6061-T6511
1.625" DIA X 144.0000"

Heat Number Tag No
Z00225210 513058

Quantity PCS Wt LBS
12 FT 1 29

MTR

2) Our Order PEC-908236- 2 Your PO # 31720
ALUMINUM FLAT BAR 6061-T6511
1.250" x 2.00" X 144.0000"

Heat Number Tag No
189796-1 513059

Quantity PCS Wt LBS
12 FT 1 35

MTR

3) Our Order PEC-908236- 3 Your PO # 31720
ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.50" X 144.0000"

Heat Number Tag No
106742-13-1-B-1 513060

Quantity PCS Wt LBS
12 FT 1 36

MTR

4) Our Order PEC-908236- 4 Your PO # 31720
ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"

Heat Number Tag No
860123 513062

Quantity PCS Wt LBS
24 FT 2 56

MTR

5) Our Order PEC-908236- 5 Your PO # 31720
ALUMINUM FLAT BAR 6061-T6511
.50" x 5.00" X 144.0000"

Heat Number Tag No
106742 2 1-A-1 513063

Quantity PCS Wt LBS
12 FT 1 36

MTR

Page: 1Continued

16/3/18
80

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

[Signature]

DATE

B I L L O F L A D I N G
Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 982554
Ship Date 18Mar16 at 11:28 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-908236- 6 Your PO # 31720
ALUMINUM FLAT BAR 6061-T6511
.375" x 1.00" X 144.0000"

Heat Number
547391

Tag No
513064

Quantity
24 FT

PCS
2

Wt LBS
11

7) Our Order PEC-908236- 7 Your PO # 31720
STAINLESS STEEL ROUND BAR 304L
.750" DIA X 144.0000"

Heat Number
W9T2

Tag No
513065

Quantity
12 FT

PCS
1

Wt LBS
19

TOTAL: Tags 7 PCS 9 LBS 222

Heat Number
106742 2 1-A-1
106742-13-1-B-1
189796-1
547391
860123
W9T2
Z00225210

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL 1 BDL GW. 236 LBS

Page: 2Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

No: PEC 982554

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 18Mar16 at 11:28 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

16/3/14
SP

Page: 3 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
1.625" DIA X 144.0000"
PART NO.

PO/Rel 31720

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

Signed by: 

BL PEC-982554-001

18Mar16

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-272983-3		CUSTOMER PART NUMBER: R77/STK		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD 1.625+/- .005	
KAISER ORDER NUMBER: 6002348	LINE ITEM: 003	SHIP DATE: 02/02/2016	KAISER LOT NUMBER: Z00225210	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 1024.000 LB	QUANTITY: 35.000 PCS	B/L NUMBER: 614646	DIA/DIAF/THKNS: 1.625	WIDTH: 1.625	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
ZC0225210	0001	0001	51.0	48.3	19.5	RE 95	N/A	N/A
ZC0225210	0001	0002	51.2	48.7	20.2	RE 94	N/A	N/A
ZC0225210	0001	0003	51.5	49.0	19.6	RE 94	N/A	N/A
ZC0225210	0001	0004	51.2	48.5	19.2	RE 94	N/A	N/A
ZC0225210	0001	0005	51.4	48.8	19.3	RE 95	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.30	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105823	.76	.27	.29	.08	.91	.10	.06	.02	.00	.00	.00	.01	.04

Applicable Requirements:

PER ASTM-B221-14, STENCILED ASME-SB221 2009 SECT II PER AMS-QQ-A-200/8A UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00214713

Kaiser Order Number: 6002348

Line Item: 003

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

1.625" DIA X 144.0000"

PART NO.

PO/Rel 31720

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-982554-001

18Mar16

Signed by: 

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00214713

Kaiser Order Number: 6002348

Line Item: 003

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM PLAT BAR 6061-T6511
1.00" X 2.50" X 144.0000"
PART NO.

PO/Rel 31720

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-982554-003

18Mar16
Pg 1/1

Certificate of Mill Test Results



Nanshan America
Advanced Aluminum Technologies
3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

ROLL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT
10038 - B01-ThyssenKrupp Materials NA, Toro	14005	1492	1/19/2016
SHIP TO	CUSTOMER PO	ALLOY	TEMPER
10038 - B01-ThyssenKrupp Materials NA, Toro	PEC-271851	6061	T6511
CUSTOMER PART NUMBER	MANSHAN PART NUMBER	DESCRIPTION	SALESMAN
	40-00866	Flat Bar 1.000" X 2.500", Stenciled	Scott Ralick

OUR ORDER NUMBER	ITEM
106742	13

Applicable Requirements:
ASTM B221-14AMS-QQ-A-200/8 Rev
A (2012-09) ASME SB221 - 1998 sect
II

Melted in USA
Manufactured in USA

Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
106742 13 1B-1	6061	16010389	01/15/16	52.1	47.8	16%		

Chemical Limits

ALLOY 6061	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		0.15

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant

Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1601037	6061	0.74	0.27	0.32	0.09	0.94	0.06	0.01	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.51	0.00

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.
Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Procl and FAR TAA (FAR 52.225-5 Trade Agreements) Tennor T6511 meets T6 Requirements

Edward Vinarick
Quality Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"
PART NO.

PO/Rel 31720

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-982554-004

18Mar16

Signed by: 

Pg 1/1



SIGNATURE ALUMINUM CANADA

1850 CLEMENTS RD
PICKERING, ON L1W 3R8

CERTIFICATE OF COMPLIANCE

DATE	CERT NO	LOT NO	QTY
02/05/2016	5377248	121738	1
DATE	CERT NO	LOT NO	QTY
PEC-272077	024606	860123	02/06/16

42196
THYSSEN KRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ON L4K 5C6
CANADA

42196
THYSSEN KRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ON L4K 5C6
CANADA

016	C-012635-3	144" Mill 6061 T6511	Flat Bar 1 x 2
4,440 LBS			
4,389 LBS			
		160 PCS	3 PKGS
AMS-QQ-A-200/8 & ASTM B221-08			

Mechanical Tests:

<u>Tensile</u>	<u>Yield</u>			
<u>MPA / KSI</u>	<u>MPA / KSI</u>	<u>% Elongation</u>	<u>Conductivity</u>	<u>HRE</u>
315.9 / 45.8	291.8 / 42.3	14.8	N/A	90

Chemical Analysis:

<u>Si</u>	<u>Fe</u>	<u>Cu</u>	<u>Mn</u>	<u>Mg</u>	<u>Cr</u>	<u>Zn</u>	<u>Ti</u>	<u>V</u>	<u>Zr</u>
0.67	0.24	0.23	0.04	0.88	0.04	0.04	0.01	0.00	0.00

This Material is Made in Canada

This Material is RoHS Compliant

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

S. Mazzotta
Director of Quality
Signature Aluminum Canada Inc



ISO 9001/TS16949 Registered Company

Visit us at www.signaturealuminum.com

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM PLAT BAR 6061-T6511
50" x 5.00" x 144.0000"
PART NO.

PO/Rel 31720
We certify that this is a true copy of the report
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resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-982554-005
18Mar16
Pg 1/1



Nanshan America
Advanced Aluminum Technologies
3600 US Hwy 52 South
Lafayette, Indiana 47909
Main Office: (765) 269-4360

CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

BILL TO	10038 - B01-ThyssenKrupp Materials NA, Toro	MANIFEST NUMBER	14264	DIE NUMBER	1488	DATE OF SHIPMENT	1/29/2016
SHIP TO	10038 - B01-ThyssenKrupp Materials NA, Toro	CUSTOMER PO	PEC-271851	ALLOY	6061	TEMPER	T6511
CUSTOMER PART NUMBER	40-00896	NANSCHAN PART NUMBER	40-00896	DESCRIPTION	Flat Bar .500" X 5.000", Stenciled		

OUR ORDER NUMBER	ITEM
106742	2

Applicable Requirements:
ASTM B221-14 AMS-QC-A-200/B Rev
A (2012-09) ASME SB221 - 1998 sect
II

Melted in USA
Manufactured in USA

Mechanical Properties

Test	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
106742 2 1A-1	6061	16010801	01/28/16	43.2	39.2	12%		

Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Each	Total
ALLOY 6061																				
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant:

Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1601025	6061	0.68	0.36	0.29	0.10	0.95	0.06	0.01	0.03	0.02	0.01	0.01	0.00							97.47	

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Progl), and FAR TAA (FAR 52.225-5 Trade Agreements) Temper T6511 meets T6 Requirements

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.375" x 1.00" X 144.0000"
PART NO.

PO/Ref 31720

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-982554-006

18Mar16

Signed by: 

Pg 1/1



LB ALUMINIUM BERHAD
(138535-V)

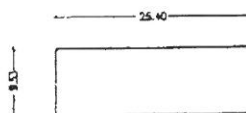


ALUMINIUM EXTRUSION

TEST CERTIFICATE

CUSTOMER : THYSSENKRUPP MATERIALS NA	SECTION NO. : PE01453MF03660	DATE : Sep-08-2015
SALES ORDER NO : 1563672	WORK ORDER : 547391	ALLOY : 6061-T6511
PRESS NO. : 1101	EXTRUSION DATE : Aug-12-2015	CERTIFICATE NO. : MCERT1508401
CUSTOMER PO NO. : PEC-268749		

Section Sketch :



Thickness = 9.53 mm

CHEMICAL COMPOSITION									
Composition	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
Min	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	Remainder
Max	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	
Actual	0.707	0.225	0.173	0.110	1.001	0.048	0.016	0.011	
									Analysis Ref. : 77444 Jul-29-2015

MECHANICAL PROPERTIES (Result shown is tested by LBALUM)			
	Tensile Strength N/mm ²	Yield Stress N/mm ²	Elongation (%)
Standard	260	240	10
Result	270.03	250.74	16.97

Compliance with ASTM H221M-07

We hereby certify that the material covered by this report has been verified or tested according to the standard sampling method or the requirements of any specifications or requirements described here in, and that sample representative of the material met the composition limits and had the mechanical properties shown. Also, note that mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds are used in the manufacture of our extrusion. This certificate conforms to 3.1, EN 10104.

** This certificate of Analysis has been produced electronically and is valid without signature **

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang, 43700 Beranang, Selangor Darul Ehsan, Malaysia.
Tel: 603-8723 8822 (15 Lines) Fax: 603-8723 3191 (General), 8723 7272 (Sales), 8727 1218 (Export)
Enquiry@lbalum.com.my www.lbalum.com

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL ROUND BAR 304L
750" DIA X 144.0000"
PART NO.

PO/Rel 31720

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-982554-007

18Mar16
Pg 1/1



740 Imperial Road North

Certificate: 113879 11

Customer: 007206 001

Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

SHIP To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 11/12/2015 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262-10 PRACT A/E OK

Your Order: PEC270632

NAS Order: PN 0058862 03

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/13a
ASTM A276/13, ASTM A479/13a, ASTM A182/13 CHEM ONLY,
ASTM A479/13, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QQS-763C, QQS-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC, NO WELD REPAIR, WELDED AND MPG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
------------	--------	----------	------	--------	--------	------	--------	----------------

BH5654 8		.7500		1.046	144.00	6	1	
----------	--	-------	--	-------	--------	---	---	--

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
W9T2	US	.0210	.1900	18.2815	.4970	1.4665	.3875	.0802	8.6015	.0320

S %	SI %
.0255	.3405

MECHANICAL PROPERTIES

Product Id	1 d o l o r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH5654 8	R L	197.0	80.45	99.90	70.68	47.41

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

APPROVED BY: 11/12/2015

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLAT BAR 6061-T6511
1.250" x 2.00" x 144.0000"
PART NO.

P.O./Ref 31720

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



Certificate of Mill Test Results

BL PEC-982554-002

18Mar16
Pg 1/1



TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST

BILL TO THYSSENKRUPP MATERIALS, NA	CERT CODE: 9	DIE NUMBER S 22772	DATE OF SHIPMENT Feb/18/2016
SHIP TO THYSSENKRUPP MATERIALS, NA	CUSTOMER PO PEC-272764	ALLOY 6061	TEMPER T6511
SO DESCRIPTION 1.25"x2" FB	CUSTOMER PART NUMBER 22772-S	PART DESCRIPTION 1.25"x2" FB	SALESMAN FORBES DODWELL

EXTRUDEX ORDER NO. 189796 — 1
MADE IN CANADA
CERIFICATION
ASTM B221-14 AMS QQA 200/8
MANIFEST NO. 343614

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.12	6061	Feb/11/2016	41.30	38.70	15.30	88.8, 89.4, 89.2	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Al	Other
160125418	A.12	6061	0.56	0.17	0.21	0.01	0.8	0.08		0.01	0.01											Remainder

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.



David Natale
Quality Control Manager

1 - CUSTOMER COPY

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B. 375x1.00

PO / BATCH NO.: 31720 / 134514

DATE: 16-03-18

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 1.375x1.00

QUANTITY RECEIVED: 12.00

THICKNESS RECEIVED: 1.375x1.00

QUANTITY INSPECTED: 12.00

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	✓	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	✓	N	
CORRECT MATERIAL	✓	N	
CORRECT THICKNESS	✓	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	✓	N	
CORRECT REF # TO LINK CERT	✓	N	
CORRECT MATERIAL IDENTIFICATION	✓	N	
CORRECT M# ON THE MATERIAL	✓	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>MAR 18 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 6061 T6 B 1500 X 5.00

PO / BATCH NO.: 831720 / 134514

DATE: 16-03-18

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 1500 X 5.00

QUANTITY RECEIVED: 12.00

THICKNESS RECEIVED: 1500 X 5.00

QUANTITY INSPECTED: 12.00

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	(X)	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(X)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>38</u>	SIGNED OFF BY: _____		
DATE: <u>MAR 18 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B1.00 x 2.00
 DATE: 16-03-18

PO / BATCH NO.: 31720/134514

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 24.00
 QUANTITY INSPECTED: 24.00
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00 x 2.00
 THICKNESS RECEIVED: 1.00 x 2.00
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>N</u>	
CORRECT FINISH	<u>Y</u>	N	
CORROSION	<u>Y</u>	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	N	
CORRECT MATERIAL	<u>Y</u>	N	
CORRECT THICKNESS	<u>Y</u>	N	
PHOTO REQUIRED	Y	<u>N</u>	
CORRECT MATERIAL	<u>Y</u>	N	
CORRECT REF # TO LINK CERT	<u>Y</u>	N	
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	N	
CORRECT M# ON THE MATERIAL	<u>Y</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>33</u> DATE: <u>MAR 18 2016</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 1606176 B1.00 x 2.500
DATE: 16-03-18

PO / BATCH NO.: 31720 / 14134514

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12.00
 QUANTITY INSPECTED: 12.00
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.60 x 2.50
THICKNESS RECEIVED: 1.60 x 2.50
SHEET SIZE ORDERED: Ø
SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>38</u> <u>9-88</u> DATE: <u>MAR 18 2016</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B2.00 x 1.250
 DATE: 16-03-18

PO / BATCH NO.: 31720 / M134514

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 12.00
 QUANTITY INSPECTED: 12.00
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.00 x 1.250
 THICKNESS RECEIVED: 2.00 x 1.250
 SHEET SIZE ORDERED: 8
 SHEET SIZE RECEIVED: 8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>38</u> <u>3-80</u> DATE: <u>MAR 18 2016</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304 20.750
DATE: 16-03-18

PO / BATCH NO.: 31720 / M134514

MATERIAL CERT REC'D: Yes
QUANTITY RECEIVED: 12.00
QUANTITY INSPECTED: 12.00
QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.750
THICKNESS RECEIVED: 1.750
SHEET SIZE ORDERED: 0
SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>38</u>	DATE: _____		
DATE: <u>9-08</u>	DATE: _____		
DATE: <u>MAR 18 2016</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MAR 18 2016

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 R 1.625

PO / BATCH NO.: 31720 / M134514

DATE: 16-03-18

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12.00
 QUANTITY INSPECTED: 12.00
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.625
 THICKNESS RECEIVED: 1.625
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT REF # TO LINK CERT	Y	N	
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>38</u> DATE: <u>MAR 18 2016</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31720

Purchase Order Date 3/16/2016

PO Print Date 3/16/2016

Page Number 1 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

MAR 16 2016

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						

1	M6061T6R1.625	6061T6 ROUND BAR 1.625	3/22/2016		12.00	\$7.00	\$84.00
			Yes		f		
			3/22/2016				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

134514

Line Total: \$84.00

2	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	3/22/2016		12.00	\$7.90	\$94.80
			Yes		f		
			3/22/2016				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

16/3/12
50

Line Total: \$94.80

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31720

Purchase Order Date 3/16/2016

PO Print Date 3/16/2016

Page Number 2 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

3	M6061T6B1.000X02.500	6061-T6 Bar 1.00 x 2.50	3/22/2016	12.00	\$8.02	\$96.25
			Yes	f		
			3/22/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$96.25

4	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	3/22/2016	24.00	\$5.90	\$141.60
			Yes	f		
			3/22/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$141.60

5	M6061T6B0.500X05.000	6061-T6 Bar .500 x 5.00	3/22/2016	12.00	\$8.25	\$99.00
			Yes	f		
			3/22/2016			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Note:

3/16/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31720

Purchase Order Date 3/16/2016

PO Print Date 3/16/2016

Page Number 3 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$99.00

6 M6061T6B0.375X01.000 6061T6 BAR .375 x 1.00 3/22/2016 12.00
Yes
3/22/2016

\$3.75 \$45.00

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

24

Line Total: \$45.00

7 M304RO.750 304 SS Roundbar .750 3/22/2016 12.00
Yes
3/22/2016

\$3.90 \$46.80

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

16/3/18
50

Line Total: \$46.80

Note:

3/16/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31720

Purchase Order Date 3/16/2016

PO Print Date 3/16/2016

Page Number 4 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA – (Free Carrier)

8	71401-45	PROCUREMENT QUALITY CLAUSES	3/22/2016	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses

3/22/2016

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Line Total: \$0.00

PO Total: \$607.45

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 3/16/2016